

Bill no.:	<i>Committee Print</i>
Amendment no.:	<i>HJC 43 en bloc</i>
Date offered:	<i>4/13/05</i>
Disposition:	<i>Agreed to by VU</i>

**AMENDMENT TO THE COMMITTEE PRINT**  
**OFFERED BY MR. GORDON OF TENNESSEE**

In title IX, subtitle C, add at the end the following  
new section:

**1 SEC. 923. UNIVERSITY BIODIESEL PROGRAM.**

2 (a) IN GENERAL.—The Secretary shall establish a  
3 program regarding the feasibility of the operation of diesel  
4 electric power generators, using biodiesel fuels, with rat-  
5 ings as high as B100 at a university electric generation  
6 facility. The program shall examine—

7 (1) heat rates of diesel fuels with large quan-  
8 tities of cellulosic content;

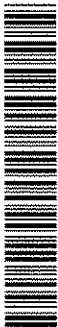
9 (2) the reliability of operation of various fuel  
10 blends;

11 (3) performance in cold or freezing weather;

12 (4) stability of fuel after extended storage; and

13 (5) other criteria, as determined by the Sec-  
14 retary.

15 (b) AUTHORIZATION OF APPROPRIATIONS.—There  
16 are authorized to be appropriated to the Secretary  
17 \$400,000 to carry out subsection (a). Such funds shall re-  
18 main available until expended.



**AMENDMENT TO THE COMMITTEE PRINT**  
**OFFERED BY MR. GORDON OF TENNESSEE**

In title IX, subtitle B, add at the end the following  
new section:

**1 SEC. 917. ADVANCED PORTABLE POWER DEVICES.**

2 (a) PROGRAM.—The Secretary shall—

3 (1) establish a program to develop working  
4 models of small scale portable power devices; and

5 (2) to the fullest extent practicable, identify and  
6 utilize the resources of universities that have shown  
7 expertise with respect to advanced portable power  
8 devices for either civilian or military use.

9 (b) ORGANIZATION.—The universities identified and  
10 utilized under subsection (a)(2) are authorized to establish  
11 an organization to promote small scale portable power de-  
12 vices.

13 (c) DEFINITION.—For purposes of this section, the  
14 term “small scale portable power device” means a field  
15 deployable portable mechanical or electromechanical device  
16 that can be used for applications such as communications,  
17 computation, mobility enhancement, weapons systems, op-  
18 tical devices, cooling, sensors, medical devices and active  
19 biological agent detection systems.



1       (d) AUTHORIZATION OF APPROPRIATIONS.—There  
2 are authorized to be appropriated to the Secretary for car-  
3 rying out this section \$8,000,000 for the period encom-  
4 passing fiscal years 2006 through 2010.



**AMENDMENT TO THE COMMITTEE PRINT**  
**OFFERED BY MR. GORDON OF TENNESSEE**

In title IX, subtitle G, add at the end the following  
new section:

1   **SEC. 971. LOW-COST HYDROGEN PROPULSION AND INFRA-**  
2                   **STRUCTURE.**

3           (a) PROGRAM.—The Secretary of Energy shall—

4               (1) establish a program with respect to the fea-  
5               sibility of using hydrogen propulsion in light-weight  
6               vehicles and the integration of the associated hydro-  
7               gen production infrastructure using off-the-shelf  
8               components; and

9               (2) identify universities and institutions that—

10                   (A) have expertise in operating and testing  
11               vehicles fueled by hydrogen, methane, and other  
12               fuels;

13                   (B) have expertise in integrating off-the-  
14               shelf components to minimize cost; and

15                   (C) within two years can test a vehicle  
16               based on an existing commercially available  
17               platform with a curb weight of not less than  
18               2,000 pounds before modifications, that—

19                   (i) operates solely on hydrogen gas;



- 1 (ii) can travel a minimum of 300  
2 miles under normal road conditions; and  
3 (iii) uses hydrogen produced from  
4 water using only solar energy.

5 (b) AUTHORIZATION OF APPROPRIATIONS.—There  
6 are authorized to be appropriated to the Secretary of En-  
7 ergy for carrying out this section \$200,000 for fiscal year  
8 2006. Such sums shall remain available until expended.

